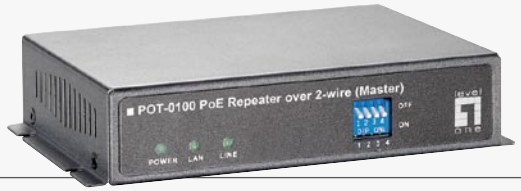
# PoE Repeater over 2-wire (Master)




POT-0100

H/W Version: 1

The POT system, one master & one slave units, provide a long-reach Ethernet extension with remote Power-over-Ethernet (PoE) capability over a 2-wire line. Connection with a Class 0 PD device, the distance of two-wire 24AWG cables can be up to 400 meters when using a 48Watt high power PoE Switch, FSW-0513/0543. Users may select a fixed data rate for different copper line ranging. The maximum data rate can be up to 60 Mbps full duplex for 2-wire line.

The POT master unit is powered by the local PoE Ethernet network, and transmits both the data and power to the remote slave unit over 2-wire cable. The remote unit regenerates the power and provides the PoE capability to power up the remote PD device up to 15 watts when connecting to 48Watt High Power Switch, FSW-0513. The POT M/S supports the indoor & outdoor models with wall-mount feature.

Equipped with dip switches, the 2-wire line speed can be configured to meet different line gauges and distances. A POT pair offers a cost effective solution for remote power applications such as LAN-to-LAN connectivity, Video Streaming, FTTB, and MDU/MTU over single twisted line.

1. LED Indicator
2. Dip Switch
3. RJ-11 Out
4. RJ-45 In

## Key Features

- Two-wire cables are used to connect 100Mbps Fast Ethernet PoE devices
- Maximum distance up to 500 meters for 24 AWG cable
- Maximum data rate up to 60 Mbps full duplex
- Remote PoE capability for PD devices of WiFi AP, IP camera, IP telephones
- Up to 15 Watts for remote PoE, Depending on PSE power
- Easy installation by indoor & outdoor different models
- IEEE 802.3af PSE Compliant for Class 0~3
- Dip Switches for 2-wire line rate settings
- Auto MDIX for 10/100 Base T Ethernet LAN Ports
- Low-Latency for Video/Voice/Data applications

## Works Well With

**POI-4000**
High-power PoE Injector

**FSW-0513**
4-Port High Power PoE Switch

## Technical Specifications

**Line Interface**

Data Rate: 60/60 Mbps

Power: 48V

RJ-11 Connector x 1

**LAN Interface**

Auto-Detection for 10/100 BASE-T and Half / Full duplex

Full compatible with IEEE 802.3 / IEEE802.3u

Automatic MDIX Function

RJ-45 Connector x 1

**PSE**

IEEE 802.3af Complaint with Output Voltage within 44~57V

Safety-Extra-Low-Voltage (SELV) Compliant

Maximum output power 15 Watts

**LED Indicator:**

Power: Green On- indicates power is on and normal

LAN: Green On- indicates Ethernet LAN port is in connection

Flashing- indicates Ethernet LAN data activates

Line: Green On- indicates 2-wire line is in connection

Flashing- indicates 2-wire line is in line handshaking

M/S: Green On-indicates as 2-wire Slave unit

Green Off- indicates as 2-wire Master unit

**Physical Dimension ( L x W x H ):**

120mm x 90mm x 28mm

**Operating Environment:**

Humidity: 5% ~95% non-condensing

Temperature: 0~50°C

**Regulatory Compliance:**

FCC Rules Part 15

CE

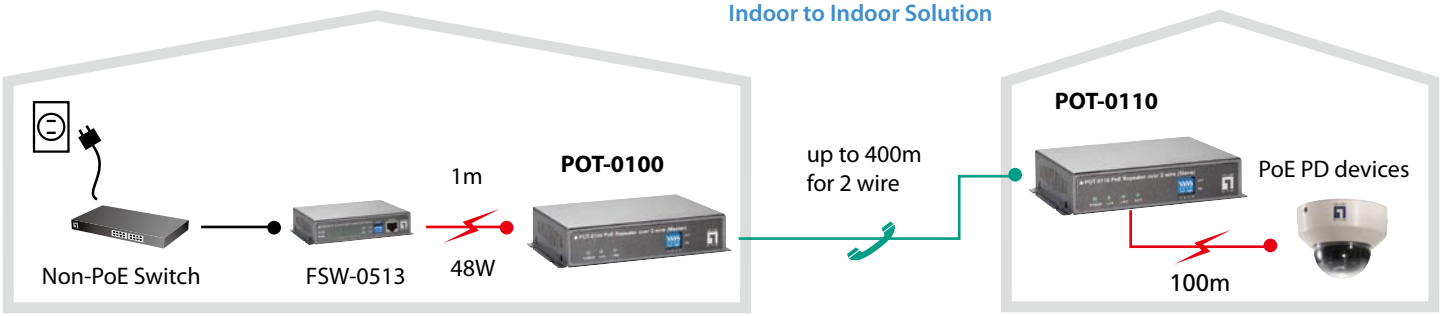
## Product Diagram

Ethernet Cable (RJ-45)

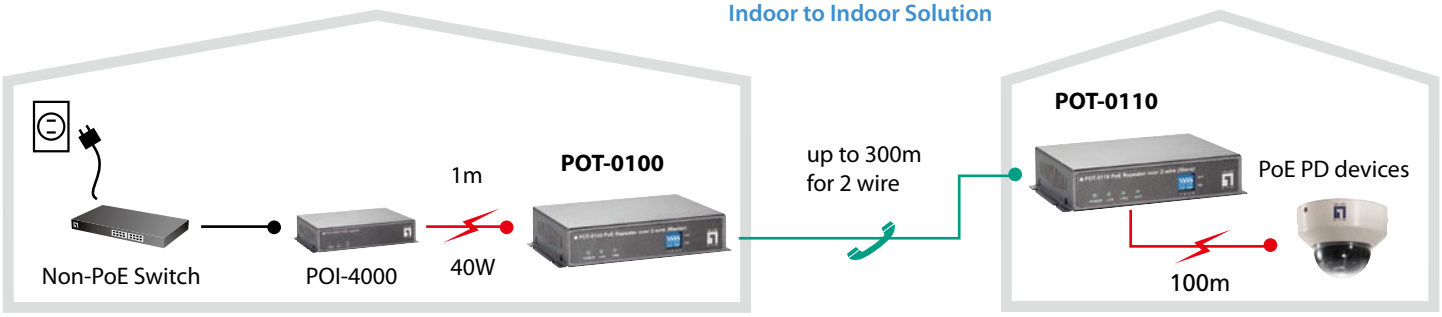
PoE

Phone Line (RJ 11)

Indoor to Indoor Solution




Indoor to Indoor Solution




Note: These distances are typical results when used with 24AWG RJ-11 Cable

**Order Information** **POT-0100:** PoE Repeater over 2-wire (Master)

**Package Contents** POT-0100 x 1, User Manual x 1

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